

Claims

1. Venting device, particularly for fluid-storing reservoirs such as tanks, with a connecting part (10) for establishing an air-carrying or fluid-carrying connection (14) to the interior of the reservoir, and with a closure part (16) which can be removed from the connecting part (10), especially in the form of a sealing cap, when the closure part (16) has been fitted between it and the connecting part (10) there being at least one leakage point (18) in the manner of an air exchange opening, **characterized in that** a labyrinth-like seal (20) effectively seals the respective leakage point (18) at least against penetrating media such as water and detergent chemicals, but not against air exchange for actual venting.
2. The venting device as claimed in claim 1, wherein the labyrinth-like seal (20) consists of a system of seal passages (22), of which one part in the manner of a collecting and delivery site (24, 26) holds the respective penetrating medium.
3. The venting device as claimed in claim 2, wherein the collecting and delivery site (24, 26) is located in the bottom-side areas (28) of the connecting part (10) and wherein they extend transversely or provided with a drain slant to the longitudinal axis (30) of the venting device.
4. The venting device as claimed in claim 2 or 3, wherein the respective collecting and delivery site (24, 26) is part of a U-shaped or angular seal passage (32, 34) and wherein at least one sealing leg (36) of the fitted closure part (16) engages at least in the U-shaped seal passage (32).

5. The venting device as claimed in claim 4, wherein the sealing leg (36) projects from the seal flange (40) of the closure part (16) and wherein the seal flange (40) rests on both sides of the sealing leg (36) on assignable sealing surfaces (46, 48) of the connecting part (10).
6. The venting device as claimed in claim 4 or 5, wherein in the intended flow direction of the penetrating medium downstream of the U-shaped seal passage (32) an angular seal passage (34) follows and the latter is present in a large number.
7. The venting device as claimed in claim 4 or 6, wherein the respective angular seal passage (34) is formed from the collecting and delivery site (26) which is routed along the radial circumference of the connecting part (10) and into which guide channels (50) discharge which extend transversely to it and which with their other free end are each connected to the U-shaped seal passage (32) and to the interior of the venting device so as to be able to carry the media.
8. The venting device as claimed in one of claims 1 to 7, wherein in the potential penetration direction of the respective medium downstream of the labyrinth seal (20) there follows a filter element (52), which, as a portion of the closure part (16), encompasses the air-carrying and fluid-carrying connection (14) within the connecting part (10) in the fitted state.
9. The venting device as claimed in one of claims 1 to 8, wherein the closure part (16) provided with wall-side catch parts (54) together with a flange-like widened area of the connecting part (10) forms a catch connection in the manner of a quarter-turn fastener.